Directorate of Military Programs

Leaders Emeritus – 21 September 2006

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Agenda

- MILCON Process Reinvention
- Army MILCON Transformation Update
- Support to GWOT
- Other Military Programs Activities and Initiatives

MILCON Process Reinvention

Executing BRACON and MILCON Program while Implementing MILCON Transformation

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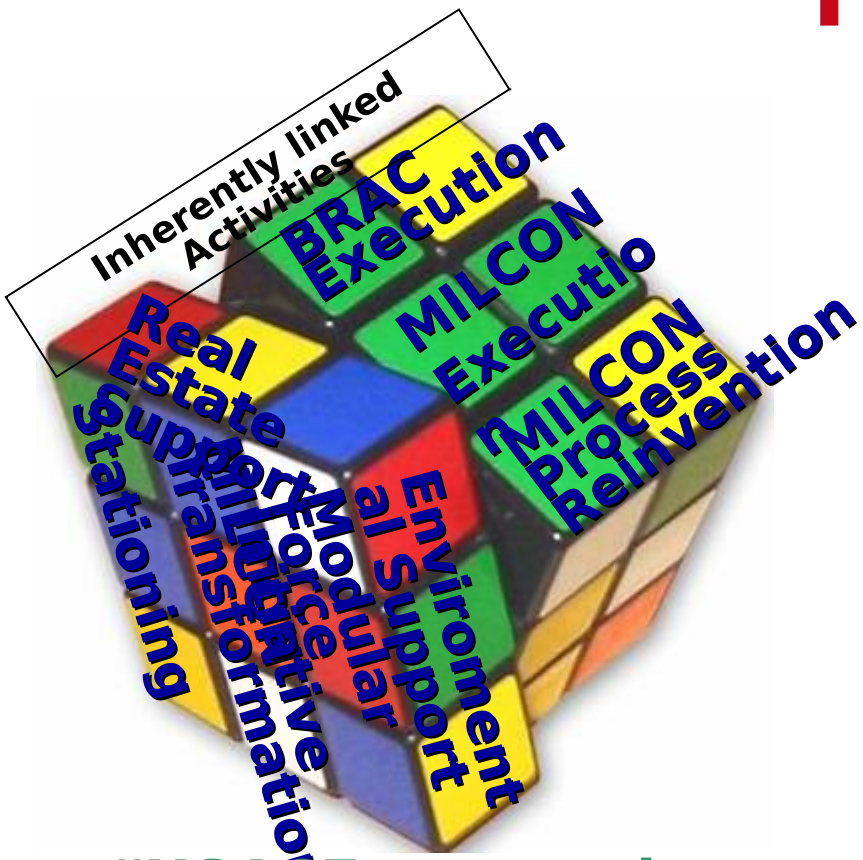
Why Reinvent the MILCON Process?

- Current standards/processes do not support DoD's requirement of getting quality facilities in the timeframe needed
- Program-wide funding shortfall will most likely occur in the status-quo scenario
- This is a USACE campaign plan goal supporting the USACE strategic plan

USACE will Reinvent MILCON Processes on the Fly



"USACE must reinvent MILCON processes while executing Mission requirements and implementing MILCON Transformation"

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MILCON Process Reinvention is…

- Greater emphasis on ***master planning***
- ***Customer*** dictates facility requirements and standards
- ***Standardization*** of facilities and processes
- The Corps ***changes*** the way it executes MILCON and BCA
  - Army, DLA, and Medical Programs will be most affected
  - AF will use current standards and construction criteria with greater emphasis on regional and installation acquisition tools
- Execution of Army MILCON as a ***continuous building program***
- Expanded use of ***manufactured building solutions***
- Greater emphasis on partnering with all USACE customers and with ***industry***

"Quality facilities delivered in less time at lower cost"

Standardization of Processes (Across USACE)

- Consistent and uniform RFPs and acquisition approach
  - Consistent acquisition approach defined by programmatic acquisition plan (approved Feb 06)
  - Mandatory use of standard RFP templates
  - Streamline the acquisition time
  - Facilitate the proposal process
- Consistent engineering/construction applications
  - Standardization in the evaluation/selection criteria
  - Streamline review and submittal process
- Expand the use of all types of construction
  - Type I thru Type V construction
- Maximize use of Industry Standards
  - International Building Code
  - Focus on end result; not “how to”

“Consistency is vital to successful program execution”

Standardization of Facilities Brings…

- Consistent solicitations throughout the Corps
  - Provides standard scopes of work for like facilities within the Army in the RFP
- Reduces contractor uncertainty of what the facility requirements are for like facilities from installation to installation
  - From a functional and technical viewpoint
- More productive time spent on proposal
  - Not looking for variances from Corps district to district

"Lessening the Risk to the Contractor"

Acquisition via Product-Line Design/Build IDIQ Contracts

- Capitalizes on ***industry strengths*** and best practices
- Encourages ***non-traditional builders*** to compete
- Provides separable contract packages for ***small business opportunities*** and set-aside programs
- Provides repeat business ***incentive for good performance***
- Repetitive nature work ***reduces learning curve***, providing for lower cost, faster delivery and improved quality
- Facilitates incorporation of ***lessons learned*** into future task orders
- Maximizes ***sustainability opportunities***
- Allows supporting District to concentrate on one or two product lines and become the **expert within the region**

Success Is…

- 15% cost savings and 30% time savings
- Facilities with a 50 year life cycle
- Lower unit costs for primary facilities provides a greater ability to absorb market vagaries
- Completing a **complete** BCT in 15-24 months
- Completing a **quality** BCT within the 1391 Program Amounts
  - Ability to lower unit costs
  - Have ability to absorb detrimental market conditions
- Achieve Army **sustainability and energy** standards
- Continue to meet Army/DoD **Small Business** requirements

Army MILCON Transformation… Update

USACE Challenge: Save 15% in cost and 30% in time while delivering quality

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Timeline to End-State (Getting to 15/30 Savings)

- **FY2005 … The Challenge**
  - ✓ Task from DASA(I&H) – Nov 2004
  - ✓ Approval by VCSA to move out – Apr 2005
  - ✓ Nationwide Industry Forums and strategy development – Spring/Summer 2005
- **FY2006 … Storming**
  - ✓ Pilot test the MT RFP (Design-build)
  - ✓ Restructure Centers of Standardization (CoS)
    - ➢ Establish responsibilities
    - ➢ Establish Regional IDIQ contracts
- **FY2007 … Forming**
  - ✓ Use MT RFP on all applicable Army projects
  - ✓ CoS establish the “adapt-build” Regional models & contracts
- **FY2008 … Performing**
  - ✓ Utilize ‘adapt-build” models

MILCON Transformation Execution

- Phase I (FY06 – FY07)
  - ✓ Local/Regional Pilot Projects (FY06)
    - Ft Campbell: Barracks Complex, Glider Road (MCA)
    - Ft Bliss: BCT 1 and Infrastructure (BCA)
    - Ft Knox: Permanent Party Barracks (MCA)
    - Ft Carson: BCT (BCA)
    - Ft Riley: Division HQ/Sustainment Brigade HQ (BCA)
  - ✓ Utilize Model RFP
    - Provides consistent contracting mechanism throughout USACE
    - Provides for Life Cycle Cost, Maintainability, Durability, ATFP, Energy Efficiency, Sustainability, etc. (including Energy policy Act of 2005)
    - Mandatory use on all projects w/ Army Standard designs (deviation requires HQUSACE approval)
    - Usable on all others
    - Early results from pilots bearing out that 15/30 goal is achievable
  - ✓ MSC Regional Acquisition Plans
    - Local Districts execute facility contracts
    - Use as transition to DB/AB COS IDIQ contracts
  - ✓ Centers of Standardization (COS) are restructured
    - Standard Design development process begins
    - Acquisition Planning and establishment of COS Facility Specific Contracts

MILCON Transformation Execution

- Phase II (FY08 Program and Beyond)
  - ✓ Centers of Standardization (COS) Regional contracts in place
    - ➢ Affect FY08 MCA/BCA
    - ➢ Primarily mission facilities and quality of life standard facilities
  - ✓ Standard designs are created and maintained
  - ✓ Movement away from the Model D-B RFP towards the site adapt model RFP
    - ➢ As alternatives are developed through DB acquisition in FY06-07
    - ➢ Low demand (volume) standard facilities may not warrant going “adapt-build”
  - ✓ Moving forward in meeting Army needs either through DB or “adapt-build”

Army Standard Facilities

Company Operations Facility
Tactical Equipment Maintenance (Interim)
Brigade/Battalion HQ: Admin (Interim)
Unaccompanied Enlisted Personnel Housing
Dining Facility
Physical Fitness
Religious Facilities
Child Development (1) Infant-Toddler
Outdoor Sports Facility (2) School Age
Youth Activity Centers
Fire, Safety and Security Facility
Fire Station
Army Community Service Center
Bowling Center RFP
Hazard Material Storage
Close Combat Tactical Trainer
Mil. Ops. Urban Terrain Facility
Training Ranges
Battle Cmd Training Ctr.
Training Support Ctr.
Medical Facilities
Aviation – Vertical Constr
4 Star HQ Facility

Army Reserve Centers
Operational Readiness Training Complex
General Instructional Facility
Classroom 21
Mil. Entrance Processing Stations
Family Housing RFP
Information Systems Facility
Criminal Investigation Facility
Access Control Points
Brigade Operations Complex
Cmd./Control Facility (C2F)
Deployment Facility
Unaccompanied Officers Quarters
Transient Officers Quarters
Basic Combat Trainee Complex/One Station Unit Trainee
Advanced individual Trainee Comple
General Purpose Warehouse
Central Issue Warehouse

Green = completed or interim **Blue** = under development **Black** = under re

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Resource Effectiveness / Lessons Learned

- 15 percent cost savings w/100 percent scope can be achieved as in the award of the following projects
  - ✓ Aviation Barracks, Ft Campbell
  - ✓ Permanent Party Barracks, Ft Knox
  - ✓ Division HQ & Sustainment Brigade HQ, Ft Riley
  - ✓ Brigade/Battalion HQ, Ft Carson
  - ✓ BCT 1 Barracks, Ft Bliss (Task order awarded)
  - ✓ Tactical Equipment Maintenance Facility, Ft Bliss (Task Order awarded)
- Use of Model RFP can make a difference in achieving full scope
- Continue to change culture: USACE, Garrisons and the Contractors
- Continue to capture Lessons-Learned and adapt as we go
- Need for reconciliation of standard design and the IDGs
- Must establish robust site and program integration capability

Deputy Garrison Commander for Transformation

Installation	Position	Fill Date	Individual	DMO/TDA	Projected Rotation
Ft Sill	COL	Summer 2007	TBD	TDA	Summer 2010
Ft Lee	COL	July 2006	COL Gully	TDA	Summer 2009
Ft Bliss	COL	July 2006	COL White	DMO	Summer 2009
Ft Riley	COL	Summer 2007	TBD	DMO	Summer 2010
Ft Knox	COL	Summer 2007	TBD	DMO	Summer 2010
Ft Benning	COL	June 2006	COL Clapp	TDA	Summer 2007
Ft Drum	COL	Summer 2007	TBD	DMO	Summer 2010
Ft Carson	LTC	Jan/Feb 2007	TBD	TDA	Summer 2010
Ft Bragg	LTC	July 2006	MAJ(P) Tyron	DMO	Summer 2009

In Summary …

- We are on track:
  - in the implementation of MILCON Transformation – forming the plan/ standardizing acquisition capabilities.
  - in the development of standard designs (design models) in concert with the ACSIM
  - to meet the Army's needs

Support to GWOT

The Field Force Engineering Program

Provides agile, responsive technical engineering and contract construction support capabilities to Combatant Commanders and their Army components worldwide during contingencies, exercises and peacetime engagement through the

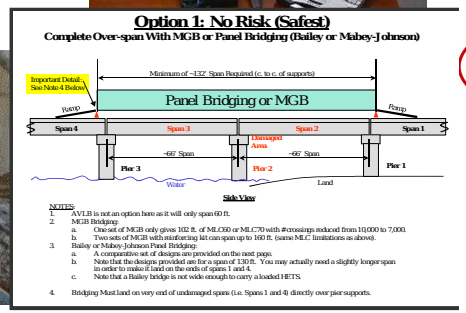
The program directly supports the accomplishment the Army Campaign Plan (ACP) Major Objective 1.0: Support Global Operations.
FFE funds the ability of USACE to execute these ACP requirements
& LO 11 & 19 through training & deployment of FFE FEST teams:

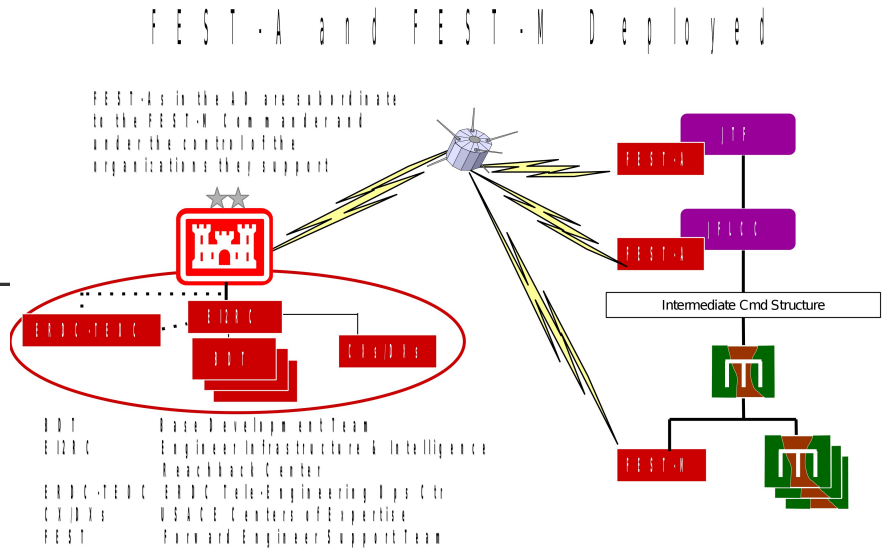
- 4 FEST-As will deploy to JCS Exercises & 7 to NTC/JRTC during FY06
- One FEST-A deployed to the Philippine Mudslide JTF in Feb 06
- 4 FEST-As deployed to the Hurricane Katrina JTF in CY05
- 3 FEST-As deployed to the Tsunami Relief
- 13 FEST-As & 4 FEST-Ms deployed to OIF

Forward Engineer Support Teams (FEST) & other FFE Te

- FEST – A (Advance) 6-8 personnel
  - –Engineer Planning/Design Support
  - –Limited Infrastructure assessment
- FEST- M (Main) 20-60 personnel
  - –Executes large contracts or special engineer support programs
  - –Could be a USACE HQs during large scale contingencies
- Base-camp Development Teams (BDT) 10 -12 personnel
- Contingency Real Estate Teams (CREST) 2-4 personnel
- Environmental Support Teams (EnvST) 4-5 personnel

TeleEngineering Communications Equipment & Technical Engineering Reachback

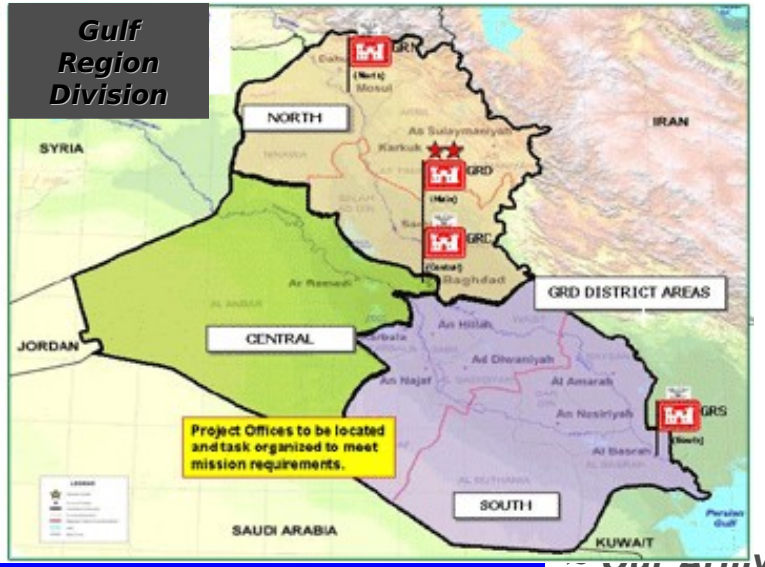

Option 1: No Risk (Safest)
Complete Over-span With MGB or Panel Bridging (Bailey or Mabey-Johnson)
Minimum of ~132' Span Required (c. to c. of supports)
Panel Bridging or MGB
Ramp
Ramp
Span 4
Span 3
Span 2
Span 1
Damaged Area
~60' Span
~60' Span
Pier 3
Pier 2
Pier 1
Water
Land
Side View
NOTES:
1. AVLB is not an option here as it will only span 60 ft.
2. MGB Bridging:
a. One set of MGB only gives 102 ft. of MLC60 or MLC70 with #crossings reduced from 10,000 to 7,000.
b. Two sets of MGB with reinforcing kit can span up to 160 ft. (same MLC limitations as above).
3. Bailay or Mabey-Johnson Panel Bridging:
a. A comparative set of designs are provided on the next page.
b. Note that the designs provided are for a span of 130 ft. You may actually need a slightly longer span in order to make it land on the ends of spans 1 and 4.
c. Note that a Bailey bridge is not wide enough to carry a loaded HETS.
4. Bridging Must land on very end of undamaged spans (i.e. Spans 1 and 4) directly over pier supports.



USACE Support to GWOT

Iraq – Gulf Region Division

- Support to U.S. Forces, Federal Agencies and COM
- Infrastructure Construction and Repair: Oil, Electrical, Water, Security
- Captured Enemy Ammunition
- Three subordinate Districts



Program Value = $12.4 Billion

USACE Support to GWOT

Afghanistan Engineer District

- Support to Coalition Military Operations
- Infrastructure Construction/Repair (Government Facilities, Roads/Bridges)
- Development of Policy for Infrastructure Management
- Support to USAID
- Afghanistan Engineer District

Program Value = $680 Million

Other Military Programs Activities and Intiatives

Construction Agent Discussions / Initiatives

- CENTCOM
  - Joint Contracting Command – Iraq/Afghanistan
  - CENTCOM Lead Design and Construction Agent
- Tri - Service Engineering Board
  - Business Case Analysis for Greater Washington Area and San Antonio
- Medical Health Facilities Office
  - Quadrennial Defense Review
  - Pilot project – Troop Medical Clinic, Fort Wainwright, Alaska

Real Estate Activities / Initiatives

- Asset Management
- BRAC Disposals
- Enhanced Use Leases
- Support to USAREC

Environmental Activities / Initiatives

- Transformation of FUDS Program
  - Reduction of execution Districts from 21 to 14
    - ✓ One program management and 2 project management District per MSC
  - Draft OPLAN issued and comments being incorporated into OPORD
- Military Munitions Support Services
  - Strategic refocusing of capability to provide Army military munitions support worldwide
  - Focuses expertise in 6 design centers and 10 removal Districts
  - Final OPORD issued

Stability, Security Transition and Reconstruction (SSTR)

- **Initiative #18: Base Camp Construction, Operations & City Management**
  - Establish and provide base operations capabilities to support the operational Army in a contingency environment and provide infrastructure and city management expertise to support the host nation.
- **Initiative #23: Redesign of the Theater Engineer Command**
  - Redesign current 412th and 416th Engineer Commands (ENCOM) into more modular, tailorable, and deployable organizations.
  - Reorganizes current design into 1 Main Command Post and 2 smaller Deployable Command Posts
- **Initiative #24 Expansion of USACE Field Force Engineering Program**
  - Establish Table of Organization and Equipment (TOE) Facility Engineer Support Teams Main (FEST-M) and Advance (FEST-A). Shift from TDA to Operational Army

Questions/comments